

=> d his full

(FILE 'HOME' ENTERED AT 13:53:33 ON 12 OCT 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:54:08 ON 12 OCT 2006  
SEA DDL? OR (ALANI?(S)LIGAS?)

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L1 QUE DDL? OR (ALANI?(S) LIGAS?)

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D RANK

FILE 'USPATFULL, GENBANK, SCISEARCH, CAPLUS, PROMT, BIOSIS, PASCAL,  
EMBASE, MEDLINE, LIFESCI' ENTERED AT 13:56:02 ON 12 OCT 2006

L2 9522 SEA DDL? OR (ALANI?(S) LIGAS?)  
L3 501 SEA L2 AND (TUBERCULOS? OR SMEGMAT?)  
L4 399 SEA L3 AND (VECTOR? OR PLASMID?)  
L5 58 SEA L4 AND GPM?  
L6 58 DUP REM L5 (0 DUPLICATES REMOVED)  
D TI L6 1-58  
L7 172 SEA L1(S)(TUBERCULOS? OR SMEGMAT?)  
L8 83 SEA L7 (S) (VECTOR? OR PLASMID?)  
L9 17 SEA L8(S)(GPM?)  
L10 17 DUP REM L9 (0 DUPLICATES REMOVED)  
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L11 38 SEA L8 AND (GPM? OR PBUN?)  
L12 38 DUP REM L11 (0 DUPLICATES REMOVED)  
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NEWS 3 FEB 27 New STN AnaVist pricing effective March 1, 2006  
NEWS 4 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records  
NEWS 5 MAY 11 KOREAPAT updates resume  
NEWS 6 MAY 19 Derwent World Patents Index to be reloaded and enhanced  
NEWS 7 MAY 30 IPC 8 Rolled-up Core codes added to CA/CAPLUS and  
USPATFULL/USPAT2  
NEWS 8 MAY 30 The F-Term thesaurus is now available in CA/CAPLUS  
NEWS 9 JUN 02 The first reclassification of IPC codes now complete in  
INPADOC  
NEWS 10 JUN 26 TULSA/TULSA2 reloaded and enhanced with new search and  
and display fields  
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NEWS 21 SEP 25 CAS REGISTRY(SM) no longer includes Concord 3D coordinates  
NEWS 22 SEP 25 CAS REGISTRY(SM) updated with amino acid codes for pyrrolysine  
NEWS 23 SEP 28 CEABA-VTB classification code fields reloaded with new  
classification scheme  
  
NEWS EXPRESS JUNE 30 CURRENT WINDOWS VERSION IS V8.01b, CURRENT  
MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),  
AND CURRENT DISCOVER FILE IS DATED 26 JUNE 2006.  
  
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FILE 'HOME' ENTERED AT 13:53:33 ON 12 OCT 2006

=> index bioscience medicine

FILE 'DRUGMONOG' ACCESS NOT AUTHORIZED

COST IN U.S. DOLLARS

SINCE FILE	TOTAL
ENTRY	SESSION
0.21	0.21

FULL ESTIMATED COST

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:54:08 ON 12 OCT 2006

71 FILES IN THE FILE LIST IN STNINDEX

Enter SET DETAIL ON to see search term postings or to view search error messages that display as 0\* with SET DETAIL OFF.

=> s ddl4 or (alani4(s)ligas4)

4) IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.  
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=> s ddl? or (alani?(s)ligas?)

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20 FILES SEARCHED...

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57 FILES HAVE ONE OR MORE ANSWERS, 71 FILES SEARCHED IN STNINDEX

L1 QUE DDL? OR (ALANI?(S) LIGAS?)

=> d rank

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F40	7	ANTE

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F43	6	DRUGB
F44	6	FROSTI
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F46	5	WATER
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F49	3	PHAR
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F51	2	IMSRESEARCH
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F53	1	DRUGMONOG2
F54	1	PHARMAML
F55	1	PROUSDDR
F56	1	VETU
F57	1	WPIFV

=> file f1-f7, f9-f11

COST IN U.S. DOLLARS

SINCE FILE

ENTRY

TOTAL

SESSION

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=> s ddl? or (alani?(s)ligas?)

L2 9522 DDL? OR (ALANI?(S) LIGAS?)

=> s l2 and (tuberculos? or smegmat?)

L3 501 L2 AND (TUBERCULOS? OR SMEGMAT?)

=> s l3 and (vector? or plasmid?)

L4 399 L3 AND (VECTOR? OR PLASMID?)

=> s l4 and gpm?

L5 58 L4 AND GPM?

=> dup rem l5

DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L5

L6 58 DUP REM L5 (0 DUPLICATES REMOVED)

=> d ti l6 1-58

L6 ANSWER 1 OF 58 USPATFULL on STN

TI Novel polynucleotides

L6 ANSWER 2 OF 58 USPATFULL on STN

TI Hollow fiber technique for in vivo study of cell populations

L6 ANSWER 3 OF 58 USPATFULL on STN

TI Microorganisms for therapy

L6 ANSWER 4 OF 58 USPATFULL on STN

TI Nucleic acid and amino acid sequences relating to Staphylococcus epidermidis for diagnostics and therapeutics

L6 ANSWER 5 OF 58 USPATFULL on STN

TI Nucleic acid and amino acid sequences relating to Enterobacter cloacae for diagnostics and therapeutics

L6 ANSWER 6 OF 58 USPATFULL on STN

TI Methods and materials relating to novel polypeptides and polynucleotides

L6 ANSWER 7 OF 58 USPATFULL on STN

TI Nucleic acid and amino acid sequences relating to streptococcus pneumoniae for diagnostics and therapeutics

L6 ANSWER 8 OF 58 USPATFULL on STN

TI Microorganisms for therapy

L6 ANSWER 9 OF 58 USPATFULL on STN

TI Recombinant mycobacteria overexpressing D-alanine ligase gene and uses therefore

L6 ANSWER 10 OF 58 USPATFULL on STN

TI Therapeutic agents useful for treating pain

L6 ANSWER 11 OF 58 USPATFULL on STN

TI Therapeutic agents useful for treating pain

L6 ANSWER 12 OF 58 USPATFULL on STN

TI Novel nucleic acids and polypeptides

L6 ANSWER 13 OF 58 USPATFULL on STN

TI Novel nucleic acids and polypeptides

L6 ANSWER 14 OF 58 USPATFULL on STN

TI Streptococcus pneumoniae polynucleotides and sequences

L6 ANSWER 15 OF 58 USPATFULL on STN

TI Methods of diagnosis of breast cancer, compositions and methods of screening for modulators of breast cancer

L6 ANSWER 16 OF 58 USPATFULL on STN

TI Novel human polynucleotides and polypeptides encoded thereby

L6 ANSWER 17 OF 58 USPATFULL on STN  
 TI Nucleic acid and amino acid sequences relating to Streptococcus pneumoniae for diagnostics and therapeutics

L6 ANSWER 18 OF 58 USPATFULL on STN  
 TI Nucleic acid sequences relating to Candida albicans for diagnostics and therapeutics

L6 ANSWER 19 OF 58 USPATFULL on STN  
 TI Nucleic acid and amino acid sequences relating to Enterococcus faecalis for diagnostics and therapeutics

L6 ANSWER 20 OF 58 USPATFULL on STN  
 TI Nucleic acid sequences and expression system relating to Enterococcus faecium for diagnostics and therapeutics

L6 ANSWER 21 OF 58 USPATFULL on STN  
 TI Nucleic acid and amino acid sequences relating to Acinetobacter baumannii for diagnostics and therapeutics

L6 ANSWER 22 OF 58 MEDLINE on STN  
 TI Roles of Mycobacterium smegmatis D-alanine:D-alanine ligase and D-alanine racemase in the mechanisms of action of and resistance to the peptidoglycan inhibitor D-cycloserine.

L6 ANSWER 23 OF 58 USPATFULL on STN  
 TI Novel Polynucleotides

L6 ANSWER 24 OF 58 USPATFULL on STN  
 TI ENTEROCOCCUS FAECALIS POLYNUCLEOTIDES AND POLYPEPTIDES

L6 ANSWER 25 OF 58 USPATFULL on STN  
 TI ENTEROCOCCUS FAECALIS POLYNUCLEOTIDES AND POLYPEPTIDES

L6 ANSWER 26 OF 58 USPATFULL on STN  
 TI STREPTOCOCCUS PNEUMONIAE POLYNUCLEOTIDES AND SEQUENCES

L6 ANSWER 27 OF 58 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): Comparison of the genome sequence of the poultry pathogen Bordetella avium with those of B. bronchiseptica, B. pertussis, and B. parapertussis reveals extensive diversity in surface structures associated with host interaction  
 TITLE (TI): Direct Submission

L6 ANSWER 28 OF 58 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): The genome of Rhizobium leguminosarum has recognizable core and accessory components  
 TITLE (TI): Direct Submission

L6 ANSWER 29 OF 58 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): The complete genome sequence of the European Francisella tularensis subspecies tularensis isolate FSC 198 suggests that it is derived from the archetypal laboratory strain Schu S4, originally isolated in North America  
 TITLE (TI): Direct Submission

L6 ANSWER 30 OF 58 GENBANK® COPYRIGHT 2006 on STN



TITLE (TI): Complete sequence of chromosome of Mycobacterium sp.  
MCS

TITLE (TI): Direct Submission

L6 ANSWER 31 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The partitioned Rhizobium etli genome: Genetic and  
metabolic redundancy in seven interacting replicons

TITLE (TI): Direct Submission

L6 ANSWER 32 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The partitioned Rhizobium etli genome: Genetic and  
metabolic redundancy in seven interacting replicons

TITLE (TI): Direct Submission

L6 ANSWER 33 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete Sequence of Chromosome 1 of Rhodobacter  
sphaeroides 2.4.1

TITLE (TI): Direct Submission

L6 ANSWER 34 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The Chlamydophila abortus genome sequence reveals an  
array of variable proteins that contribute to  
interspecies variation

TITLE (TI): The Chlamydophila abortus genome sequence reveals an  
array of variable proteins that contribute to  
interspecies variation

TITLE (TI): Direct Submission

L6 ANSWER 35 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Extensive DNA inversions in the B. fragilis genome  
control variable gene expression

TITLE (TI): Direct Submission

L6 ANSWER 36 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The genome of the heartwater agent Ehrlichia  
ruminantium contains multiple tandem repeats of  
actively variable copy number

TITLE (TI): Direct Submission

L6 ANSWER 37 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The complete genome sequence of Francisella tularensis,  
the causative agent of tularemia

TITLE (TI): Direct Submission

L6 ANSWER 38 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of Yersinia pestis strain  
91001, an isolate avirulent to humans

TITLE (TI): Genetics of metabolic variations between Yersinia  
pestis biovars and the proposal of a new biovar,  
microtus

TITLE (TI): Direct Submission

L6 ANSWER 39 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Extensive mosaic structure revealed by the complete  
genome sequence of uropathogenic Escherichia coli

TITLE (TI): Direct Submission

L6 ANSWER 40 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The genome sequence of Bifidobacterium longum reflects its adaptation to the human gastrointestinal tract

TITLE (TI): Direct Submission

TITLE (TI): Direct Submission

L6 ANSWER 41 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome sequence of Streptococcus mutans UA159, a cariogenic dental pathogen

TITLE (TI): Direct Submission

L6 ANSWER 42 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome Sequence of Yersinia pestis KIM

TITLE (TI): Direct Submission

L6 ANSWER 43 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome sequence of Yersinia pestis, the causative agent of plague

TITLE (TI): Annotation and evolutionary relationships of a small regulatory RNA gene micF and its target ompF in Yersinia species

TITLE (TI): Direct Submission

L6 ANSWER 44 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The genome sequence of the food-borne pathogen Campylobacter jejuni reveals hypervariable sequences

TITLE (TI): Re-annotation of Campylobacter jejuni NCTC11168

TITLE (TI): Direct Submission

TITLE (TI): Direct Submission

L6 ANSWER 45 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of Clostridium perfringens, an anaerobic flesh-eater

TITLE (TI): Direct Submission

L6 ANSWER 46 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete nucleotide sequence of the prophage VT2-Sakai carrying the verotoxin 2 genes of the enterohemorrhagic Escherichia coli O157:H7 derived from the Sakai outbreak

TITLE (TI): Comparative analysis of the whole set of rRNA operons between an enterohemorrhagic Escherichia coli O157:H7 Sakai strain and an Escherichia coli K-12 strain MG1655

TITLE (TI): Complete nucleotide sequence of the prophage VT1-Sakai carrying the Shiga toxin 1 genes of the enterohemorrhagic Escherichia coli O157:H7 strain derived from the Sakai outbreak

TITLE (TI): Complete genome sequence of enterohemorrhagic Escherichia coli O157:H7 and genomic comparison with a laboratory strain K-12

TITLE (TI): Direct Submission

L6 ANSWER 47 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genomic plasticity of the causative agent of melioidosis, Burkholderia pseudomallei

TITLE (TI): Direct Submission

L6 ANSWER 48 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Insights into the evolution of *Yersinia pestis* through whole-genome comparison with *Yersinia pseudotuberculosis*

TITLE (TI): Direct Submission

L6 ANSWER 49 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The genome sequence of the enterobacterial phytopathogen *Erwinia carotovora* subsp. *atroseptica* SCRI1043 and functional genomic identification of novel virulence factors

TITLE (TI): Direct Submission

L6 ANSWER 50 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genomes of two clinical *Staphylococcus aureus* strains: evidence for the rapid evolution of virulence and drug resistance

TITLE (TI): Direct Submission

L6 ANSWER 51 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Deciphering the biology of *Mycobacterium tuberculosis* from the complete genome sequence

TITLE (TI): Re-annotation of the genome sequence of *Mycobacterium tuberculosis* H37Rv

TITLE (TI): Direct Submission

L6 ANSWER 52 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The complete genome sequence and analysis of *Corynebacterium diphtheriae* NCTC13129

TITLE (TI): Direct Submission

L6 ANSWER 53 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Comparative analysis of the genome sequences of *Bordetella pertussis*, *Bordetella parapertussis* and *Bordetella bronchiseptica*

TITLE (TI): Direct Submission

L6 ANSWER 54 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The complete genome sequence of *Mycobacterium bovis*

TITLE (TI): Direct Submission

L6 ANSWER 55 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome Sequence and Comparative Analysis of the Solvent-Producing Bacterium *Clostridium acetobutylicum*

TITLE (TI): Direct Submission

L6 ANSWER 56 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of the model actinomycete *Streptomyces coelicolor* A3(2)

TITLE (TI): Direct Submission

L6 ANSWER 57 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of the model actinomycete *Streptomyces coelicolor* A3(2)

TITLE (TI): Direct Submission

L6 ANSWER 58 OF 58 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome sequence of enterohaemorrhagic Escherichia coli  
O157:H7

TITLE (TI): Direct Submission

=> s 11(s) (TUBERCULOS? OR SMEGMAT?)  
L7 172 L1(S) (TUBERCULOS? OR SMEGMAT?)

=> s 17 (s) (vector? or plasmid?)  
L8 83 L7 (S) (VECTOR? OR PLASMID?)

=> s 18(s) (gpm?)  
L9 17 L8(S) (GPM?)

=> dup rem 19  
DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.  
ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE  
PROCESSING COMPLETED FOR L9  
L10 17 DUP REM L9 (0 DUPLICATES REMOVED)

=> d ti 110 1-17

L10 ANSWER 1 OF 17 USPATFULL on STN  
TI Recombinant mycobacteria overexpressing D-alanine ligase gene and uses  
therefore

L10 ANSWER 2 OF 17 USPATFULL on STN  
TI Streptococcus pneumoniae polynucleotides and sequences

L10 ANSWER 3 OF 17 USPATFULL on STN  
TI Nucleic acid and amino acid sequences relating to Streptococcus  
pneumoniae for diagnostics and therapeutics

L10 ANSWER 4 OF 17 USPATFULL on STN  
TI STREPTOCOCCUS PNEUMONIAE POLYNUCLEOTIDES AND SEQUENCES

L10 ANSWER 5 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The complete genome sequence of the European  
Francisella tularensis subspecies tularensis isolate  
FSC 198 suggests that it is derived from the archetypal  
laboratory strain Schu S4, originally isolated in North  
America

TITLE (TI): Direct Submission

L10 ANSWER 6 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete sequence of chromosome of Mycobacterium sp.  
MCS

TITLE (TI): Direct Submission

L10 ANSWER 7 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The partitioned Rhizobium etli genome: Genetic and  
metabolic redundancy in seven interacting replicons

TITLE (TI): Direct Submission

L10 ANSWER 8 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The Chlamydophila abortus genome sequence reveals an  
array of variable proteins that contribute to

interspecies variation  
 TITLE (TI): The Chlamydomophila abortus genome sequence reveals an array of variable proteins that contribute to interspecies variation  
 TITLE (TI): Direct Submission

L10 ANSWER 9 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Extensive DNA inversions in the B. fragilis genome control variable gene expression  
 TITLE (TI): Direct Submission

L10 ANSWER 10 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of Yersinia pestis strain 91001, an isolate avirulent to humans  
 TITLE (TI): Genetics of metabolic variations between Yersinia pestis biovars and the proposal of a new biovar, microtus  
 TITLE (TI): Direct Submission

L10 ANSWER 11 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome sequence of Streptococcus mutans UA159, a cariogenic dental pathogen  
 TITLE (TI): Direct Submission

L10 ANSWER 12 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome sequence of Yersinia pestis, the causative agent of plague  
 TITLE (TI): Annotation and evolutionary relationships of a small regulatory RNA gene micF and its target ompF in Yersinia species  
 TITLE (TI): Direct Submission

L10 ANSWER 13 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete nucleotide sequence of the prophage VT2-Sakai carrying the verotoxin 2 genes of the enterohemorrhagic Escherichia coli O157:H7 derived from the Sakai outbreak  
 TITLE (TI): Comparative analysis of the whole set of rRNA operons between an enterohemorrhagic Escherichia coli O157:H7 Sakai strain and an Escherichia coli K-12 strain MG1655  
 TITLE (TI): Complete nucleotide sequence of the prophage VT1-Sakai carrying the Shiga toxin 1 genes of the enterohemorrhagic Escherichia coli O157:H7 strain derived from the Sakai outbreak  
 TITLE (TI): Complete genome sequence of enterohemorrhagic Escherichia coli O157:H7 and genomic comparison with a laboratory strain K-12  
 TITLE (TI): Direct Submission

L10 ANSWER 14 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genomic plasticity of the causative agent of melioidosis, Burkholderia pseudomallei  
 TITLE (TI): Direct Submission

L10 ANSWER 15 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Insights into the evolution of Yersinia pestis through whole-genome comparison with Yersinia pseudotuberculosis

TITLE (TI): Direct Submission

L10 ANSWER 16 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The complete genome sequence and analysis of  
Corynebacterium diphtheriae NCTC13129

TITLE (TI): Direct Submission

L10 ANSWER 17 OF 17 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of the model actinomycete  
Streptomyces coelicolor A3(2)

TITLE (TI): Direct Submission

=> l8 and (gpm? or pbun?)

L8 IS NOT A RECOGNIZED COMMAND

The previous command name entered was not recognized by the system.

For a list of commands available to you in the current file, enter

"HELP COMMANDS" at an arrow prompt (=>).

=> s l8 and (gpm? or pbun?)

L11 38 L8 AND (GPM? OR PBUN?)

=> dup rem l11

DUPLICATE IS NOT AVAILABLE IN 'GENBANK'.

ANSWERS FROM THESE FILES WILL BE CONSIDERED UNIQUE

PROCESSING COMPLETED FOR L11

L12 38 DUP REM L11 (0 DUPLICATES REMOVED)

=> d ti l12 1-38

L12 ANSWER 1 OF 38 USPATFULL on STN

TI Novel polynucleotides

L12 ANSWER 2 OF 38 USPATFULL on STN

TI Nucleic acid and amino acid sequences relating to Enterobacter cloacae  
for diagnostics and therapeutics

L12 ANSWER 3 OF 38 USPATFULL on STN

TI Nucleic acid and amino acid sequences relating to streptococcus  
pneumoniae for diagnostics and therapeutics

L12 ANSWER 4 OF 38 USPATFULL on STN

TI Recombinant mycobacteria overexpressing D-alanine ligase gene and uses  
therefore

L12 ANSWER 5 OF 38 USPATFULL on STN

TI Streptococcus pneumoniae polynucleotides and sequences

L12 ANSWER 6 OF 38 USPATFULL on STN

TI Novel human polynucleotides and polypeptides encoded thereby

L12 ANSWER 7 OF 38 USPATFULL on STN

TI Nucleic acid and amino acid sequences relating to Streptococcus  
pneumoniae for diagnostics and therapeutics

L12 ANSWER 8 OF 38 USPATFULL on STN

TI Nucleic acid and amino acid sequences relating to Enterococcus faecalis  
for diagnostics and therapeutics

L12 ANSWER 9 OF 38 USPATFULL on STN

TI Nucleic acid sequences and expression system relating to Enterococcus  
faecium for diagnostics and therapeutics.

L12 ANSWER 10 OF 38 USPATFULL on STN  
 TI Nucleic acid and amino acid sequences relating to *Acinetobacter baumannii* for diagnostics and therapeutics

L12 ANSWER 11 OF 38 USPATFULL on STN  
 TI Novel Polynucleotides

L12 ANSWER 12 OF 38 USPATFULL on STN  
 TI ENTEROCOCCUS FAECALIS POLYNUCLEOTIDES AND POLYPEPTIDES

L12 ANSWER 13 OF 38 USPATFULL on STN  
 TI STREPTOCOCCUS PNEUMONIAE POLYNUCLEOTIDES AND SEQUENCES

L12 ANSWER 14 OF 38 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): The genome of *Rhizobium leguminosarum* has recognizable core and accessory components  
 TITLE (TI): Direct Submission

L12 ANSWER 15 OF 38 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): The complete genome sequence of the European *Francisella tularensis* subspecies *tularensis* isolate FSC 198 suggests that it is derived from the archetypal laboratory strain Schu S4, originally isolated in North America  
 TITLE (TI): Direct Submission

L12 ANSWER 16 OF 38 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): Complete sequence of chromosome of *Mycobacterium* sp. MCS  
 TITLE (TI): Direct Submission

L12 ANSWER 17 OF 38 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): The partitioned *Rhizobium etli* genome: Genetic and metabolic redundancy in seven interacting replicons  
 TITLE (TI): Direct Submission

L12 ANSWER 18 OF 38 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): Complete Sequence of Chromosome 1 of *Rhodobacter sphaeroides* 2.4.1  
 TITLE (TI): Direct Submission

L12 ANSWER 19 OF 38 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): The *Chlamydophila abortus* genome sequence reveals an array of variable proteins that contribute to interspecies variation  
 TITLE (TI): The *Chlamydophila abortus* genome sequence reveals an array of variable proteins that contribute to interspecies variation  
 TITLE (TI): Direct Submission

L12 ANSWER 20 OF 38 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): Extensive DNA inversions in the *B. fragilis* genome control variable gene expression  
 TITLE (TI): Direct Submission

L12 ANSWER 21 OF 38 GENBANK® COPYRIGHT 2006 on STN  
 TITLE (TI): The complete genome sequence of *Francisella tularensis*,

TITLE (TI): the causative agent of tularemia  
Direct Submission

L12 ANSWER 22 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of *Yersinia pestis* strain 91001, an isolate avirulent to humans

TITLE (TI): Genetics of metabolic variations between *Yersinia pestis* biovars and the proposal of a new biovar, *microtus*

TITLE (TI): Direct Submission

L12 ANSWER 23 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome sequence of *Streptococcus mutans* UA159, a cariogenic dental pathogen

TITLE (TI): Direct Submission

L12 ANSWER 24 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome Sequence of *Yersinia pestis* KIM

TITLE (TI): Direct Submission

L12 ANSWER 25 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome sequence of *Yersinia pestis*, the causative agent of plague

TITLE (TI): Annotation and evolutionary relationships of a small regulatory RNA gene *micF* and its target *ompF* in *Yersinia* species

TITLE (TI): Direct Submission

L12 ANSWER 26 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The genome sequence of the food-borne pathogen *Campylobacter jejuni* reveals hypervariable sequences

TITLE (TI): Re-annotation of *Campylobacter jejuni* NCTC11168

TITLE (TI): Direct Submission

TITLE (TI): Direct Submission

L12 ANSWER 27 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of *Clostridium perfringens*, an anaerobic flesh-eater

TITLE (TI): Direct Submission

L12 ANSWER 28 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete nucleotide sequence of the prophage VT2-Sakai carrying the verotoxin 2 genes of the enterohemorrhagic *Escherichia coli* O157:H7 derived from the Sakai outbreak

TITLE (TI): Comparative analysis of the whole set of rRNA operons between an enterohemorrhagic *Escherichia coli* O157:H7 Sakai strain and an *Escherichia coli* K-12 strain MG1655

TITLE (TI): Complete nucleotide sequence of the prophage VT1-Sakai carrying the Shiga toxin 1 genes of the enterohemorrhagic *Escherichia coli* O157:H7 strain derived from the Sakai outbreak

TITLE (TI): Complete genome sequence of enterohemorrhagic *Escherichia coli* O157:H7 and genomic comparison with a laboratory strain K-12

TITLE (TI): Direct Submission

L12 ANSWER 29 OF 38 GENBANK® COPYRIGHT 2006 on STN



TITLE (TI): Genomic plasticity of the causative agent of  
melioidosis, *Burkholderia pseudomallei*  
TITLE (TI): Direct Submission

L12 ANSWER 30 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Insights into the evolution of *Yersinia pestis* through  
whole-genome comparison with *Yersinia*  
*pseudotuberculosis*  
TITLE (TI): Direct Submission

L12 ANSWER 31 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The genome sequence of the enterobacterial  
phytopathogen *Erwinia carotovora* subsp. *atroseptica*  
SCRI1043 and functional genomic identification of novel  
virulence factors  
TITLE (TI): Direct Submission

L12 ANSWER 32 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genomes of two clinical *Staphylococcus aureus*  
strains: evidence for the rapid evolution of virulence  
and drug resistance  
TITLE (TI): Direct Submission

L12 ANSWER 33 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Deciphering the biology of *Mycobacterium tuberculosis*  
from the complete genome sequence  
TITLE (TI): Re-annotation of the genome sequence of *Mycobacterium*  
*tuberculosis* H37Rv  
TITLE (TI): Direct Submission

L12 ANSWER 34 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): The complete genome sequence and analysis of  
*Corynebacterium diphtheriae* NCTC13129  
TITLE (TI): Direct Submission

L12 ANSWER 35 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome Sequence and Comparative Analysis of the  
Solvent-Producing Bacterium *Clostridium acetobutylicum*  
TITLE (TI): Direct Submission

L12 ANSWER 36 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of the model actinomycete  
*Streptomyces coelicolor* A3(2)  
TITLE (TI): Direct Submission

L12 ANSWER 37 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Complete genome sequence of the model actinomycete  
*Streptomyces coelicolor* A3(2)  
TITLE (TI): Direct Submission

L12 ANSWER 38 OF 38 GENBANK® COPYRIGHT 2006 on STN

TITLE (TI): Genome sequence of enterohaemorrhagic *Escherichia coli*  
O157:H7  
TITLE (TI): Direct Submission

=> d ibib abs 112 1-13

L12 ANSWER 1 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2006:268028 USPATFULL  
TITLE: Novel polynucleotides  
INVENTOR(S): Nakagawa, Satoshi, Tokyo, JAPAN  
Mizoguchi, Hiroshi, Tokyo, JAPAN  
Ando, Seiko, Tokyo, JAPAN  
Hayashi, Mikiro, Tokyo, JAPAN  
Ochiai, Keiko, Tokyo, JAPAN  
Yokoi, Haruhiko, Tokyo, JAPAN  
Tateishi, Naoko, Tokyo, JAPAN  
Senoh, Akihiro, Tokyo, JAPAN  
Ikeda, Masato, Tokyo, JAPAN  
Ozaki, Akio, Hofu-shi, JAPAN  
PATENT ASSIGNEE(S): Kyowa Hakko Kogyo Co., Ltd., Tokyo, JAPAN (non-U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2006228712	A1	20061012
APPLICATION INFO.:	US 2004-805394	A1	20040322 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 2000-738626, filed on 18 Dec 2000, ABANDONED		

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1999-377484	19991216
	JP 2000-159162	20000407
	JP 2000-280988	20000803
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE, PC, 901 NORTH GLEBE ROAD, 11TH FLOOR, ARLINGTON, VA, 22203, US	
NUMBER OF CLAIMS:	67	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	14357	

AB Novel polynucleotides derived from microorganisms belonging to coryneform bacteria and fragments thereof, polypeptides encoded by the polynucleotides and fragments thereof, polynucleotide arrays comprising the polynucleotides and fragments thereof, recording media in which the nucleotide sequences of the polynucleotide and fragments thereof have been recorded which are readable in a computer, and use of them.

L12 ANSWER 2 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2006:113827 USPATFULL  
TITLE: Nucleic acid and amino acid sequences relating to Enterobacter cloacae for diagnostics and therapeutics  
INVENTOR(S): Weinstock, Keith G., Westborough, MA, UNITED STATES  
Deloughery, Craig, Medford, MA, UNITED STATES  
Bush, David, Somerville, MA, UNITED STATES  
PATENT ASSIGNEE(S): Genome Therapeutics Corporation, Waltham, MA, UNITED STATES (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 7041814	B1	20060509
APPLICATION INFO.:	US 1999-252691		19990218 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-94145P	19980724 (60)

US 1998-74787P 19980218 (60)  
DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Smith, Lynette R. F.  
ASSISTANT EXAMINER: Portner, Ginny Allen  
LEGAL REPRESENTATIVE: Buchanan Ingersoll PC  
NUMBER OF CLAIMS: 9  
EXEMPLARY CLAIM: 1  
LINE COUNT: 19563

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated polypeptide and nucleic acid sequences derived from *Enterobacter cloacae* that are useful in diagnosis and therapy of pathological conditions; antibodies against the polypeptides; and methods for the production of the polypeptides. The invention also provides methods for the detection, prevention and treatment of pathological conditions resulting from bacterial infection.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 3 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2005:158196 USPATFULL  
TITLE: Nucleic acid and amino acid sequences relating to *streptococcus pneumoniae* for diagnostics and therapeutics  
INVENTOR(S): Doucette-Stamm, Lynn A., Framingham, MA, UNITED STATES  
Bush, David, Somerville, MA, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2005136404	A1	20050623
APPLICATION INFO.:	US 2003-617320	A1	20030710 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 1998-107433, filed on 30 Jun 1998, PENDING		

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-51553P	19970702 (60)
	US 1998-85131P	19980512 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Robert L. Spadafora, Genome Therapeutics Corporation, 100 Beaver Street, Waltham, MA, 02453, US	
NUMBER OF CLAIMS:	28	
EXEMPLARY CLAIM:	1	
LINE COUNT:	12957	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated polypeptide and nucleic acid sequences derived from *Streptococcus pneumonia* that are useful in diagnosis and therapy of pathological conditions; antibodies against the polypeptides; and methods for the production of the polypeptides. The invention also provides methods for the detection, prevention and treatment of pathological conditions resulting from bacterial infection.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 4 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2004:307159 USPATFULL  
TITLE: Recombinant mycobacteria overexpressing D-alanine ligase gene and uses therefore  
INVENTOR(S): Barletta, Raul G., Lincoln, NE, UNITED STATES  
Feng, Zhengyu, Austin, TX, UNITED STATES  
PATENT ASSIGNEE(S): The Board of Regents, University of Nebraska-Lincoln (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2004241830	A1	20041202	
APPLICATION INFO.:	US 2003-738938	A1	20031217	(10)

NUMBER	DATE
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PRIORITY INFORMATION:	US 2002-434200P	20021217 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	STINSON MORRISON HECKER LLP, ATTN: PATENT GROUP, 1201 WALNUT STREET, SUITE 2800, KANSAS CITY, MO, 64106-2150	
NUMBER OF CLAIMS:	23	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	7 Drawing Page(s)	
LINE COUNT:	1431	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Recombinant mycobacterial strains which overproduce essential biosynthetic enzymes of pathogenic mycobacteria are provided. These strains overproduce enzymes involved in the synthesis and incorporation of D-alanine into mycobacterial peptidoglycan, the backbone of the mycobacterial cell wall. These overproducing strains may be used as reference strains in in vitro screening methods to identify antimycobacterial agents.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 5 OF 38 USPATFULL on STN

ACCESSION NUMBER:	2004:38579 USPATFULL
TITLE:	Streptococcus pneumoniae polynucleotides and sequences
INVENTOR(S):	Kunsch, Charles A., Norcross, GA, UNITED STATES Choi, Gil H., Rockville, MD, UNITED STATES Dillon, Patrick J., Carlsbad, CA, UNITED STATES Rosen, Craig A., Laytonsville, MD, UNITED STATES Barash, Steven C., Rockville, MD, UNITED STATES Fannon, Michael R., Silver Spring, MD, UNITED STATES Dougherty, Brian A., Killingworth, CT, UNITED STATES
PATENT ASSIGNEE(S):	Human Genome Sciences, Inc., Rockville, MD, UNITED STATES, 20850 (U.S. corporation)

NUMBER	KIND	DATE
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PATENT INFORMATION:	US 2004029118	A1	20040212
APPLICATION INFO.:	US 2002-158844	A1	20020603 (10)
RELATED APPLN. INFO.:	Division of Ser. No. US 1997-961527, filed on 30 Oct 1997, GRANTED, Pat. No. US 6420135		

NUMBER	DATE
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PRIORITY INFORMATION:	US 1996-29960P	19961031 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	9165	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide sequences of the genome of Streptococcus pneumoniae, polypeptide sequences encoded by the polynucleotide sequences, corresponding polynucleotides and polypeptides, vectors and hosts comprising the polynucleotides, and assays and other uses thereof. The present invention further provides polynucleotide and polypeptide sequence information stored on computer readable media, and computer-based systems and methods which facilitate

its use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 6 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2004:12955 USPATFULL

TITLE: Novel human polynucleotides and polypeptides encoded thereby

INVENTOR(S): Leach, Martin D., Madison, CT, UNITED STATES  
Shimkets, Richard A., Guilford, CT, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2004009474	A1	20040115
APPLICATION INFO.:	US 2001-864408	A1	20010524 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 2000-206690P	20000524 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	Ivor R. Elrifi, Esq., MIntz, Levin, Cohn, Ferris,, Glovsky and Popeo, P.C., One Financial Center, Boston, MA, 02111	
NUMBER OF CLAIMS:	32	
EXEMPLARY CLAIM:	1	
LINE COUNT:	21366	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides ORFX, a novel isolated polypeptide, as well as a polynucleotide encoding ORFX and antibodies that immunospecifically bind to ORFX or any derivative, variant, mutant, or fragment of the ORFX polypeptide, polynucleotide or antibody. The invention additionally provides methods in which the ORFX polypeptide, polynucleotide and antibody are used in detection and treatment of a broad range of pathological states, as well as to others uses.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 7 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2004:250212 USPATFULL

TITLE: Nucleic acid and amino acid sequences relating to Streptococcus pneumoniae for diagnostics and therapeutics

INVENTOR(S): Doucette-Stamm, Lynn A., Framingham, MA, United States  
Bush, David, Somerville, MA, United States

PATENT ASSIGNEE(S): Genome Therapeutics Corporation, Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6800744	B1	20041005
APPLICATION INFO.:	US 1998-107433		19980630 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-85131P	19980512 (60)
	US 1997-51553P	19970702 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Brusca, John S.	
ASSISTANT EXAMINER:	Zhou, Shubo "Joe "	
LEGAL REPRESENTATIVE:	Genome Therapeutics Corporation	
NUMBER OF CLAIMS:	14	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	

LINE COUNT: 11545

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated polypeptide and nucleic acid sequences derived from Streptococcus pneumonia that are useful in diagnosis and therapy of pathological conditions; antibodies against the polypeptides; and methods for the production of the polypeptides. The invention also provides methods for the detection, prevention and treatment of pathological conditions resulting from bacterial infection.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 8 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2003:240330 USPATFULL

TITLE: Nucleic acid and amino acid sequences relating to Enterococcus faecalis for diagnostics and therapeutics

INVENTOR(S): Doucette-Stamm, Lynn A., 14 Flanagan Dr., Framingham, MA, United States 01701  
Bush, David, 205 Holland St., Somerville, MA, United States 02144

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6617156	B1	20030909
APPLICATION INFO.:	US 1998-134000		19980813 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1997-55778P	19970815 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Mosher, Mary E.	
LEGAL REPRESENTATIVE:	Genome Therapeutics Corporation	
NUMBER OF CLAIMS:	19	
EXEMPLARY CLAIM:	1,5,14	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	13738	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated polypeptide and nucleic acid sequences derived from Enterococcus faecalis that are useful in diagnosis and therapy of pathological conditions; antibodies against the polypeptides; and methods for the production of the polypeptides. The invention also provides methods for the detection, prevention and treatment of pathological conditions resulting from bacterial infection.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 9 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2003:169096 USPATFULL

TITLE: Nucleic acid sequences and expression system relating to Enterococcus faecium for diagnostics and therapeutics

INVENTOR(S): Doucette-Stamm, Lynn A., Framingham, MA, United States  
Bush, David, Somerville, MA, United States

PATENT ASSIGNEE(S): Genome Therapeutics Corporation, Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6583275	B1	20030624
APPLICATION INFO.:	US 1998-107532		19980630 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-85598P	19980514 (60)
	US 1997-51571P	19970702 (60)

DOCUMENT TYPE: Utility  
FILE SEGMENT: GRANTED  
PRIMARY EXAMINER: Marschel, Ardin H.  
LEGAL REPRESENTATIVE: Genome Therapeutics Corporation  
NUMBER OF CLAIMS: 34  
EXEMPLARY CLAIM: 1  
NUMBER OF DRAWINGS: 0 Drawing Figure(s); 0 Drawing Page(s)  
LINE COUNT: 15265

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated polypeptide and nucleic acid sequences derived *Enterococcus faecium* that are useful in diagnosis and therapy of pathological conditions; antibodies against the polypeptides; and methods for the production of the polypeptides. The invention also provides methods for the detection, prevention and treatment of pathological conditions resulting from bacterial infection.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 10 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2003:130010 USPATFULL  
TITLE: Nucleic acid and amino acid sequences relating to *Acinetobacter baumannii* for diagnostics and therapeutics  
INVENTOR(S): Breton, Gary, Marlborough, MA, United States  
Bush, David, Somerville, MA, United States  
PATENT ASSIGNEE(S): Genome Therapeutics Corporation, Waltham, MA, United States (U.S. corporation)

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 6562958	B1	20030513
APPLICATION INFO.:	US 1999-328352		19990604 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1998-88701P	19980609 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	GRANTED	
PRIMARY EXAMINER:	Borin, Michael	
LEGAL REPRESENTATIVE:	Genome Therapeutics Corporation	
NUMBER OF CLAIMS:	15	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	0 Drawing Figure(s); 0 Drawing Page(s)	
LINE COUNT:	16618	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The invention provides isolated polypeptide and nucleic acid sequences derived from *Acinetobacter mirabilis* that are useful in diagnosis and therapy of pathological conditions; antibodies against the polypeptides; and methods for the production of the polypeptides. The invention also provides methods for the detection, prevention and treatment of pathological conditions resulting from bacterial infection.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 11 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2002:343879 USPATFULL  
TITLE: Novel Polynucleotides  
INVENTOR(S): Nakagawa, Satoshi, Tokyo, JAPAN  
Mizoguchi, Hiroshi, Tokyo, JAPAN  
Ando, Seiko, Tokyo, JAPAN  
Hayashi, Mikiro, Tokyo, JAPAN  
Ochiai, Keiko, Tokyo, JAPAN  
Yokoi, Haruhiko, Tokyo, JAPAN  
Tateishi, Naoko, Tokyo, JAPAN  
Senoh, Akihiro, Tokyo, JAPAN

Ikeda, Masato, Tokyo, JAPAN  
Ozaki, Akio, Hofu-shi, JAPAN

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002197605	A1	20021226
APPLICATION INFO.:	US 2000-738626	A1	20001218 (9)

	NUMBER	DATE
PRIORITY INFORMATION:	JP 1999-377484	19991216
	JP 2000-159162	20000407
	JP 2000-280988	20000803
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	NIXON & VANDERHYE P.C., 8th Floor, 1100 North Glebe Road, Arlington, VA, 22201	
NUMBER OF CLAIMS:	68	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	4 Drawing Page(s)	
LINE COUNT:	13673	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Novel polynucleotides derived from microorganisms belonging to coryneform bacteria and fragments thereof, polypeptides encoded by the polynucleotides and fragments thereof, polynucleotide arrays comprising the polynucleotides and fragments thereof, recording media in which the nucleotide sequences of the polynucleotide and fragments thereof have been recorded which are readable in a computer, and use of them.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 12 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2002:221971 USPATFULL  
TITLE: ENTEROCOCCUS FAECALIS POLYNUCLEOTIDES AND POLYPEPTIDES  
INVENTOR(S): KUNSCH, CHARLES A., ATLANTA, GA, UNITED STATES  
DILLON, PATRICK J., CARLSBAD, CA, UNITED STATES  
BARASH, STEVEN, ROCKVILLE, MD, UNITED STATES

	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002120116	A1	20020829
APPLICATION INFO.:	US 1998-70927	A1	19980504 (9)
DOCUMENT TYPE:	Utility		
FILE SEGMENT:	APPLICATION		
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850		
NUMBER OF CLAIMS:	18		
EXEMPLARY CLAIM:	1		
NUMBER OF DRAWINGS:	2 Drawing Page(s)		
LINE COUNT:	13315		

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide sequences of the genome of Enterococcus faecalis, polypeptide sequences encoded by the polynucleotide sequences, corresponding polynucleotides and polypeptides, vectors and hosts comprising the polynucleotides, and assays and other uses thereof. The present invention further provides polynucleotide and polypeptide sequence information stored on computer readable media, and computer-based systems and methods which facilitate its use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

L12 ANSWER 13 OF 38 USPATFULL on STN

ACCESSION NUMBER: 2002:55159 USPATFULL  
TITLE: STREPTOCOCCUS PNEUMONIAE POLYNUCLEOTIDES AND SEQUENCES



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	NUMBER	KIND	DATE
PATENT INFORMATION:	US 2002032323	A1	20020314
	US 6420135	B2	20020716
APPLICATION INFO.:	US 1997-961527	A1	19971030 (8)

	NUMBER	DATE
PRIORITY INFORMATION:	US 1996-29960P	19961031 (60)
DOCUMENT TYPE:	Utility	
FILE SEGMENT:	APPLICATION	
LEGAL REPRESENTATIVE:	HUMAN GENOME SCIENCES INC, 9410 KEY WEST AVENUE, ROCKVILLE, MD, 20850	
NUMBER OF CLAIMS:	20	
EXEMPLARY CLAIM:	1	
NUMBER OF DRAWINGS:	2 Drawing Page(s)	
LINE COUNT:	7752	

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB The present invention provides polynucleotide sequences of the genome of Streptococcus pneumoniae, polypeptide sequences encoded by the polynucleotide sequences, corresponding polynucleotides and polypeptides, vectors and hosts comprising the polynucleotides, and assays and other uses thereof. The present invention further provides polynucleotide and polypeptide sequence information stored on computer readable media, and computer-based systems and methods which facilitate its use.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

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(FILE 'HOME' ENTERED AT 13:53:33 ON 12 OCT 2006)

INDEX 'ADISCTI, ADISINSIGHT, ADISNEWS, AGRICOLA, ANABSTR, ANTE, AQUALINE, AQUASCI, BIOENG, BIOSIS, BIOTECHABS, BIOTECHDS, BIOTECHNO, CABA, CAPLUS, CEABA-VTB, CIN, CONFSCI, CROPB, CROPU, DDFB, DDFU, DGENE, DISSABS, DRUGB, DRUGMONOG2, DRUGU, EMBAL, EMBASE, ...' ENTERED AT 13:54:08 ON 12 OCT 2006  
 SEA DDL? OR (ALANI?(S)LIGAS?)

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1   FILE ADISINSIGHT
30  FILE AGRICOLA
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7   FILE ANTE
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51  FILE BIOENG
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72  FILE BIOTECHDS
250 FILE BIOTECHNO
105 FILE CABA
715 FILE CAPLUS
31  FILE CEABA-VTB
16  FILE CIN
17  FILE CONFSCI

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17 FILE CROPU  
 6 FILE DDFB  
 72 FILE DDFU  
 594 FILE DGENE  
 79 FILE DISSABS  
 6 FILE DRUGB  
 1 FILE DRUGMONOG2  
 104 FILE DRUGU  
 15 FILE EMBAL  
 594 FILE EMBASE  
 344 FILE ESBIODBASE  
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 1795 FILE GENBANK  
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 258 FILE IFIPAT  
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 369 FILE LIFESCI  
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 701 FILE PROMT  
 1 FILE PROUSDDR  
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 808 FILE SCISEARCH  
 321 FILE TOXCENTER  
 2690 FILE USPATFULL  
 308 FILE USPAT2  
 1 FILE VETU  
 5 FILE WATER  
 185 FILE WPIDS  
 1 FILE WPIFV  
 185 FILE WPINDEX  
 11 FILE IPA  
 234 FILE NLDB

L1 QUE DDL? OR (ALANI?(S) LIGAS?)

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 D RANK

FILE 'USPATFULL, GENBANK, SCISEARCH, CAPLUS, PROMT, BIOSIS, PASCAL, EMBASE, MEDLINE, LIFESCI' ENTERED AT 13:56:02 ON 12 OCT 2006

L2 9522 SEA DDL? OR (ALANI?(S) LIGAS?)  
 L3 501 SEA L2 AND (TUBERCULOS? OR SMEGMAT?)  
 L4 399 SEA L3 AND (VECTOR? OR PLASMID?)  
 L5 58 SEA L4 AND GPM?  
 L6 58 DUP REM L5 (0 DUPLICATES REMOVED)  
 D TI L6 1-58  
 L7 172 SEA L1(S) (TUBERCULOS? OR SMEGMAT?)  
 L8 83 SEA L7 (S) (VECTOR? OR PLASMID?)  
 L9 17 SEA L8(S) (GPM?)  
 L10 17 DUP REM L9 (0 DUPLICATES REMOVED)  
 D TI L10 1-17  
 L11 38 SEA L8 AND (GPM? OR PBUN?)  
 L12 38 DUP REM L11 (0 DUPLICATES REMOVED)  
 D TI L12 1-38  
 D IBIB ABS L12 1-13

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[ENZYME](#)

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for



# NiceZyme View of ENZYME: EC 6.3.2.4

## Official Name

**D-alanine--D-alanine ligase.**

## Alternative Name(s)

**Alanine:alanine ligase (ADP-forming).**

**Alanylalanine synthetase.**

**D-Ala-D-Ala synthetase.**

**D-alanyl-D-alanine synthetase.**

**D-alanylalanine synthetase.**

## Reaction catalysed

ATP + 2 D-alanine <=> ADP + phosphate + D-alanyl-D-alanine

## Comment(s)

Involved with EC 6.3.2.7 or EC 6.3.2.13, EC 6.3.2.8, EC 6.3.2.9 and EC 6.3.2.10 in the synthesis of a cell-wall peptide.

## Cross-references

Biochemical Pathways; map number(s)

N3

PROSITE

PDOC00659

BRENDA

6.3.2.4

PUMA2

6.3.2.4

PRIAM enzyme-specific profiles

6.3.2.4

KEGG Ligand Database for Enzyme Nomenclature

6.3.2.4

IUBMB Enzyme Nomenclature

6.3.2.4

IntEnz

6.3.2.4

MEDLINE

Find literature relating to 6.3.2.4

MetaCyc

6.3.2.4

Q81D33, DDLA_BACCR;	Q89GA7, DDLA_BRAJA;	Q8YHR9, DDLA_BRUME;
Q8G044, DDLA_BRUSU;	Q7NV72, DDLA_CHRVO;	Q8XKS9, DDLA_CLOPE;
Q897P8, DDLA_CLOTE;	P0A6J9, DDLA_ECO57;	Q8FKE3, DDLA_ECOL6;
P0A6J8, DDLA_ECOLI;	Q9HWI0, DDLA_PSEAE;	Q88EV6, DDLA_PSEPK;
Q87XJ6, DDLA_PSESM;	Q98JS0, DDLA_RHILO;	P0A1F1, DDLA_SALTI;
P0A1F0, DDLA_SALTY;	P0A6K0, DDLA_SHIFL;	Q8PDW3, DDLA_XANCP;
Q81IU1, DDLB_BACCR;	Q89PS5, DDLB_BRAJA;	Q8YI63, DDLB_BRUME;
Q8FZP5, DDLB_BRUSU;	Q7NQ01, DDLB_CHRVO;	Q8XM71, DDLB_CLOPE;
Q898Z5, DDLB_CLOTE;	Q8X9Y6, DDLB_ECO57;	Q8FL63, DDLB_ECOL6;
P07862, DDLB_ECOLI;	Q9LCT6, DDLB_PSEAE;	Q88N74, DDLB_PSEPK;

Q87WY7, DDLB_PSESM;	Q98KB6, DDLB_RHILO;	Q8Z9G7, DDLB_SALTI;
Q8ZRU1, DDLB_SALTY;	Q83MF7, DDLB_SHIFL;	Q8PCJ8, DDLB_XANCP;
Q8UDN3, DDL_AGRT5;	P35660, DDL_ANACE;	Q8YY71, DDL_ANASP;
O66806, DDL_AQUAE;	Q81Q29, DDL_BACAN;	Q9KCF0, DDL_BACHD;
P96612, DDL_BACSU;	Q8A1F3, DDL_BACTN;	Q8G7C4, DDL_BIFLO;
Q7VRX1, DDL_BLOFL;	Q7WFS4, DDL_BORBR;	O51218, DDL_BORBU;
Q7W4B6, DDL_BORPA;	Q7VUQ5, DDL_BORPE;	O51927, DDL_BUCAP;
P59435, DDL_BUCBP;	Q9PPC2, DDL_CAMJE;	Q9A5A9, DDL_CAUCR;
Q8KCR8, DDL_CHLTE;	Q97F58, DDL_CLOAB;	Q8FPQ9, DDL_COREF;
Q8NQV2, DDL_CORGL;	Q83BZ9, DDL_COXBU;	Q9RFX1, DDL_DEIRA;
Q47758, DDL_ENTFA;	Q47823, DDL_ENTGA;	Q47827, DDL_ENTHR;
Q8RDQ4, DDL_FUSNN;	Q7MNV1, DDL_GLOVI;	Q7VMY2, DDL_HAEDU;
Q4QLF6, DDL_HAEI8;	P44405, DDL_HAEIN;	Q7VJW2, DDL_HELHP;
Q9ZLA5, DDL_HELPJ;	P56191, DDL_HELPI;	Q9CIL5, DDL_LACLA;
Q88UV8, DDL_LACPL;	Q72R93, DDL_LEPIC;	Q8F4I2, DDL_LEPIN;
Q48745, DDL_LEUME;	Q92DG5, DDL_LISIN;	Q721W2, DDL_LISMF;
Q8Y8P1, DDL_LISMO;	Q65RY9, DDL_MANSM;	Q7TXH9, DDL_MYCBO;
Q9CBS0, DDL_MYCLE;	Q9ZGN0, DDL_MYCSM;	P95114, DDL_MYCTU;
Q9JSZ9, DDL_NEIMA;	Q9K0Y0, DDL_NEIME;	Q82VS0, DDL_NITEU;
Q8ERJ6, DDL_OCEIH;	P57819, DDL_PASMU;	Q7N149, DDL_PHOLL;
Q7MWA2, DDL_PORGI;	Q7VAS4, DDL_PROMA;	Q7V8L9, DDL_PROMM;
Q7V0F6, DDL_PROMP;	Q8XVI9, DDL_RALSO;	Q92NM4, DDL_RHIME;
Q92IT7, DDL_RICCN;	Q9ZDS6, DDL_RICPR;	Q8EEZ2, DDL_SHEON;
Q5HEB7, DDL_STAAC;	P63891, DDL_STAAM;	P63892, DDL_STAAN;
Q6GEZ1, DDL_STAAR;	Q6G7M7, DDL_STAAS;	Q8NVH8, DDL_STAAB;
Q5HMD8, DDL_STAEQ;	Q8CRP5, DDL_STAES;	Q8E640, DDL_STRA3;
Q8E0G6, DDL_STRA5;	Q82JS5, DDL_STRAW;	Q9ZBR9, DDL_STRCO;
P95803, DDL_STRMU;	Q99Z34, DDL_STRP1;	Q8K6X7, DDL_STRP3;
Q5XB93, DDL_STRP6;	Q8P0C4, DDL_STRP8;	O54631, DDL_STRPN;
Q8DNV5, DDL_STRR6;	Q8DLH0, DDL_SYNEL;	Q7U5Q9, DDL_SYNXP;
P73632, DDL_SYNY3;	P46805, DDL_THEMA;	Q8R778, DDL_THETN;
O83676, DDL_TREPA;	Q83I36, DDL_TROW8;	Q83G28, DDL_TROWT;
Q9KM17, DDL_VIBCH;	Q87HS0, DDL_VIBPA;	Q8D781, DDL_VIBVU;
Q7ME85, DDL_VIBVY;	Q8D2Y5, DDL_WIGBR;	Q7MA71, DDL_WOLSU;
Q8PPA6, DDL_XANAC;	Q9PF79, DDL_XYLFA;	Q87AG1, DDL_XYLFT;
Q8ZIE7, DDL_YERPE;	Q821S4, MUDD_CHLCV;	Q9PLG1, MUDD_CHLMU;
Q9Z701, MUDD_CHLPN;	O84767, MUDD_CHLTR;	

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